INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/002136

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 F23G 5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC7 F23G 5/00, 5/027, 5/08, 5/10, 5/14, 5/16, 5/32, 5/44, 7/00; F23J 1/00, 1/02, 1/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applictions for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/49641 A (SCIENCE APPLICATIONS INTERNATIOANL CO.) 31 December 1997 See pages 7-10; figures 1-4	1, 2, 5
Y	JP 11-287412 A (ISHIKAWAJIMA HARIMA HEAVY IND. CO., LTD.) 19 October 1999 See lines 12, 16; figures 1-3	1, 2, 5
Υ .	JP 03-055411 A (EBARA INFILCO CO., LTD.) 11 March 1991 See the abstract; figure 2	2 · · ·
Y .	JP 02-122109 A (KAWASAKI STEEL CO.) 9 May 1990 See the whole document	1, 2, 5
Y	JP 11-063463 A (ISHIKAWAJIMA HARIMA HEAVY IND. CO., LTD.) 5 March 1999 See the whole document	1, 2, 5
· A	JP 10-103634 A (KOBE STEEL LTD.) 21 April 1998 See the whole document	1 - 5
A	JP 05-340524 A (KOBE STEEL LTD.) 21 December 1993 See the whole document	1 - 5

Further documents are listed in the continuation of Box C.				See patent family annex.		
* "A"	document	tegories of cited documents: defining the general state of the art which is not considered rticular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E"	filing date	lication or patent but published on or after the international which may throw doubts on priority claim(s) or which is	"X"			
	cited to es special rea	tablish the publication date of citation or other uson (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is		
"O"	document means	referring to an oral disclosure, use, exhibition or other		combined with one or more other such documents, such combination being obvious to a person skilled in the art		
"P"		published prior to the international filing date but later iority date claimed	"&"	document member of the same patent family		
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Date of the actual completion of the international search

23 FEBRUARY 2005 (23.02.2005)

Date of mailing of the international search report

24 FEBRUARY 2005 (24.02.2005)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002136

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A	JP 12-035208 A (TAKUMA CO., LTD.) 2 February 2000 See the whole document	1 - 5
A	US 6,155,182 B (ANDREAS TSANGARIS) 5 December 2000 See the whole document	1 - 5
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Information on patent family members

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